Order picking truck 1.2 ton

BT optio

H-series

OME120HW

TOYOTA

MATERIAL HANDLING

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Order picking truck

Truck specifications					OME120HW , Duplex mast	OME120HW , Triplex mast
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			OME120HW , Duplex mast	OME120HW , Triplex mast
	1.3	Drive			Electric	Electric
	1.4	Operator type			Stand on	Stand on
	1.5	Load capacity/rated load	Q	kg	1080	1080
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of load axle to fork face	x	mm	193	218
	1.9	Wheelbase	y	mm	1477	1503
Weight	2.1	Service weight including battery		kg	3023	3791
	2.2	Axle load, with load, drive/fork wheel		kg	1097/3030	1518/3375
	2.3	Axle load, without load, drive/fork wheel		kg	1696/1327	2126/1665
Wheels	3.1	Drive/fork wheel			Polyurethane	Polyurethane
	3.2	Wheel size, front		mm	Ø 230 x 110	Ø 230 x 110
	3.3	Wheel size, rear		mm	Ø 350 x 140	Ø 350 x 140
	3.5	Wheels, number front/rear (x = driven wheels)			2/1 (x)	2/1 (x)
	3.6	Track width, front	b_{10}	mm	910	1110
Dimensions	4.2	Height, mast lowered	h_1	mm	3152	3367
	4.4	Lift movement	h_3	mm	4689	6987
		Lift height	h_{23}	mm	4768	7067
	4.5	Height, mast extended	h_4	mm	7100	9400
	4.7	Height of overhead guard (cab)	h_6	mm	2402	2402
	4.8	Stand height	h_7	mm	305	305
	4.11	Initial lift movement	h_9	mm	—	—
	4.14	Stand height, elevated	h_{12}	mm	5000	7300
	4.14.1	Picking height (h_{12} + 1600 mm)	h_{28}	mm	6600	8900
	4.19	Overall length	l_1	mm	3133	3209
	4.20	Length to face of forks	l_2	mm	1882	1959
	4.21	Overall width 1)	b_1/b_2	mm	1050/1010	1250/1010
	4.22	Fork dimensions	s/e/l	mm	62/115/1250	62/115/1250
	4.25	Width over forks	b_5	mm	560	560
	4.31	Ground clearance, with load, below mast	m_1	mm	52	52
	4.32	Ground clearance, centre of wheelbase	m_2	mm	52	52
	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	1610	1710
	4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	1210	1510
	4.35	Turning radius	W_a	mm	1689	1741
	4.41	Transfer aisle width, 800x1200 lengthways	Au	mm	3265	3341
	4.44	Clear width driver compartment entrance	l_{24}	mm	555	555
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,0	12,0/12,0
	5.2	Lift speed, with/without load		m/s	0,35/0,40	0,35/0,40
	5.3	Lowering speed, with/without load		m/s	0,45/0,45	0,45/0,45
	5.9	Acceleration time (0-10 meters), with/without load		s	6,0/5,5	6,0/5,5
	5.10	Service brake			Electric	Electric
Electric motor	6.1	Drive motor rating S2 60 min		kW	7,5	7,5
	6.2	Lift motor rating S3 15%		kW	11	11
	6.4	Battery voltage, nominal capacity K_5		V/Ah	48/465	48/620
	6.5	Battery weight		kg	725-810	925-1035
	6.6	Energy consumption acc to VDI cycle		kWh/h	3,09	3,33
Other	8.1	Type of drive control			Variable AC	Variable AC
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	60	60
	8.6	Steering			Electric	Electric

1) b_1 = chassis width, b_2 = cab width

All data are based on table configuration. Other configurations may give other values.
Truck performance and dimensions are nominal and subject to tolerances.
Toyota Material Handling Manufacturing Sweden AB products and specifications are subject to change without notice.

Mast dimensions

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Chassis width, b_1 (mm)		Battery		Duplex Telescopic											Triplex Telescopic					
OME120HW/OME120HWC	**1050**	**465 Ah**		X	X	X	X	—	—	—	—	—	—	—	X	X	—	—	—	—
	1250	**465/620Ah**		—	—	—	—	X/X	X/X	X/X	X/X	X/X	—/X	—/X	X/X	X/X	X/X	X/X	—/X	—/X
	Platform height	h_{12}	mm	3550	3950	4500	5000	5500	6000	6500	7000	7500	8000	8500	5500	6100	7300	8200	9500	10500
	Height, mast lowered	h_1	mm	2427	2627	2902	3152	3402	3652	3902	4152	4402	4652	4902	2657	2857	3367	3867	4300	4933
	Lift movement	h_3	mm	3239	3639	4189	4689	5189	5689	6189	6689	7189	7689	8189	5187	5787	6987	7887	9187	10187
	Heigh, mast extended	h_4	mm	5650	6050	6600	7100	7600	8100	8600	9100	9600	10100	10600	7600	8200	9400	10300	11600	12600
	Picking height	h_{28}	mm	5150	5550	6100	6600	7100	7600	8100	8600	9100	9600	10100	7100	7700	8900	9800	11100	12100
	Total lift height	h_{23}	mm	3318	3718	4268	4768	5268	5768	6268	6768	7268	7768	8268	5267	5867	7067	7967	9266	10266

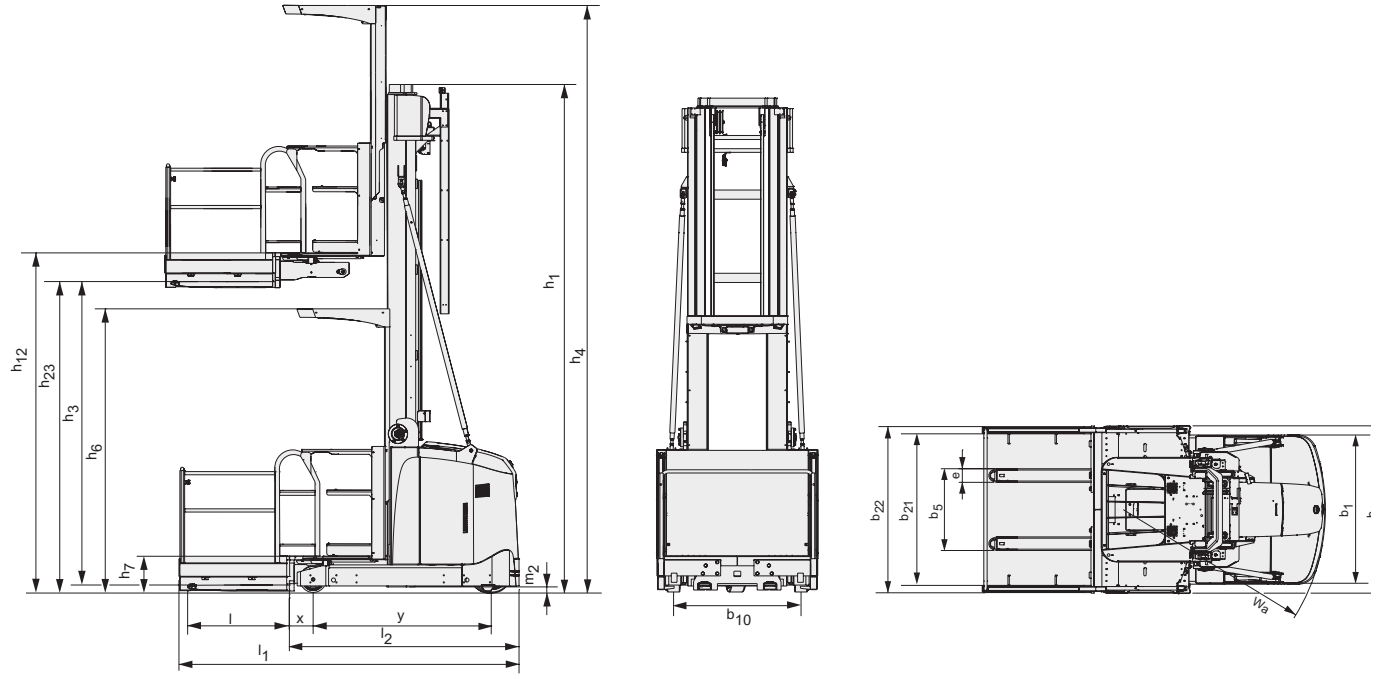
X = Available combination
— = Non available combination

Working aisle widths

OME120HW/OME120HWC	Standard values			Rail guided trucks				Wire guided trucks			
				EUR pallet		CHEP pallet		EUR pallet		CHEP pallet	
	Handling type			**LS**	**SS**	**LS**	**SS**	**LS**	**SS**	**LS**	**SS**
	Pallet length		mm	800	1200	1000	1200	800	1200	1000	1200
	Pallet width		mm	1200	800	1200	1000	1200	800	1200	1000
	Load frame inner dim. (b_{21} x l_{21})		mm	1290 x 820	890 x 1220	1290 x 1020	1090 x 1220	1290 x 820	890 x 1220	1290 x 1020	1090 x 1220
	Load frame outer dim. (b_{22} x l_{22})		mm	1410 x 900	1010 x 1300	1410 x 1100	1210 x 1300	1410 x 900	1010 x 1300	1410 x 1100	1210 x 1300
	Chassis width	b_1	mm	1050/1250	1050/1250	1050/1250	1050/1250	1050/1250	1050/1250	1050/1250	1050/1250
	Distance between pallets in aisle	Ast	mm	1610/1610	1210/1410	1610/1610	1410/1410	1710/1710	1310/1510	1710/1710	1510/1510
	Transfer aisle, VDI Theoretical	Ast_3	mm	2990/3063	3265/3341	3162/3236	3300/3375	2990/3063	3265/3341	3162/3236	3300/3375
	Transfer aisle, Practical [1)]	Ast_3	mm	3490/3563	3765/3841	3662/3736	3800/3875	3990/4063	4265/4341	4162/4236	4300/4375

LS = Long side pallet handling
SS = Short side pallet handling

1) Transfer aisle requirement including recommended operation safety space
Chassis width, 1050 mm equipped with Duplex mast
Chassis width, 1250 mm equipped with Triplex mast



Truck features:

- High picking heights
- Powerful drive & lift motor (AC)
- Regenerative power when braking and lowering the cab
- Spacious cab with storage compartments
- Height adjustable control panel with intuitive controls
- Information display showing all vital information
- E-bars for mounting of peripheral equipment
- Several load frames available
- Wire guidance or mechanical (rail) guidance in the aisle
- BT Optipace system for top performance in all handling situations
- Programmable performance
- Extended service intervals

TMHE-Toyota Material Handling Europe — 748101-040, version 6, 2019-08-01

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